

WHAT WE CLAIM IS:

1. An EL phosphor multilayer thin film, wherein:
a phosphor thin film and a dielectric thin film are stacked
one upon another,
 - 5 said phosphor thin film comprising a matrix material
containing as a main component at least one compound selected
from an alkaline earth thioaluminate, an alkaline earth
thiogallate and an alkaline earth thioindate, and an rare earth
element as a luminescent center, and
 - 10 said dielectric thin film comprising an alkaline earth
oxide.
 2. The EL phosphor multilayer thin film according to
claim 1, wherein said matrix material is a barium thioaluminate.
 3. The EL phosphor multilayer thin film according to
15 claim 1, wherein said rare earth element is Eu.
 4. The EL phosphor multilayer thin film according to
claim 1, wherein said alkaline earth oxide is a perovskite oxide.
 5. The EL phosphor multilayer thin film according to
claim 1, wherein said alkaline earth oxide is barium titanate.
 - 20 6. The EL phosphor multilayer thin film according to
claim 1, wherein said dielectric thin film has a specific
dielectric constant of 100 or greater.
 7. The EL phosphor multilayer thin film according to
claim 1, wherein said dielectric thin film has a thickness of
25 100 nm or greater.
 8. An EL device comprising an EL phosphor multilayer thin
film as recited in claim 1.